

# ACAT1 Polyclonal Antibody

|                            |   |                    |
|----------------------------|---|--------------------|
| <b>CATALOG NO:</b>         | 3245-30T  | 30 µg (Trial size) |
|                            | 3245-100  | 100 µg             |
| <b>IMMUNOGEN:</b>          | Synthetic peptide surrounding amino acid 251 of rat ACAT1 |                    |
| <b>INTERNAL ID:</b>        | BV-K84  |                    |
| <b>HOST:</b>               | Rabbit  |                    |
| <b>SPECIES REACTIVITY:</b> | human, mouse, rat   |                    |

## FORMULATION:

0.5 mg/ml affinity purified rabbit anti-ACAT1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

## STORAGE CONDITIONS:

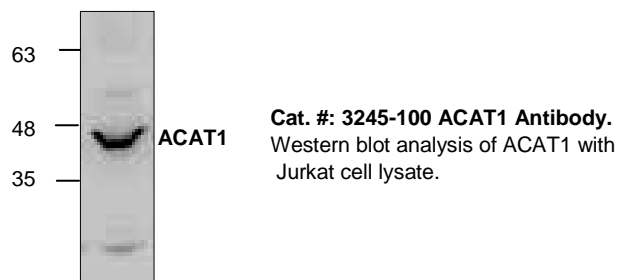
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

## DESCRIPTION:

Acetyl-Coenzyme A acetyltransferase 1 (ACAT1) is a mitochondrial enzyme that catalyzes the formation of cholesterol esters from cholesterol and long chain fatty acyl-coenzyme A. ACAT1 may play an important role in the development of atherosclerosis due to cholesterol buildup in macrophage.

## APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (1-4 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3245BP-50) is available separately.



**FOR RESEARCH USE ONLY! Not to be used in humans.**

## RELATED PRODUCTS:

### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

### Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

### Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

### Growth Factors and Cytokines